

## Discovery of *Orientophiaris nigricrista* (Kuznetsov) (Lepidoptera, Tortricidae, Olethreutinae) from Japan

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**Abstract** *Orientophiaris nigricrista* (Kuznetsov, 1976) is newly recorded from Japan. The adult and male genitalia are illustrated. Previous misunderstandings about the date and designated type species of the genus are corrected.

**Key words** Male genitalia, moth fauna, new record, type species.

I examined some unfamiliar olethreutine moths collected in Gifu Prefecture, Japan, by Mr A. Miyano. They represent *Orientophiaris nigricrista* (Kuznetsov, 1976), hitherto unrecorded from Japan. In the present paper I record it as new to the Japanese moth fauna, with illustrations of the adult and of the male genitalia.

### *Orientophiaris nigricrista* (Kuznetsov, 1976) (Figs 1, 2)

*Olethreutes nigricrista* Kuznetsov, 1976: 9; Byun *et al.*, 1998: 128; Liu and Guangwu, 2002: 302; Brown, 2005: 443; Byun and Kim, 2015: 98.

*Celypha nigricrista*: Razowski, 1995: 314, 1999: 105.

*Orientophiaris nigricrista*: Kuznetsov, 1999: 411, 2001: 226.

**Diagnosis.** The species has a cream brown forewing with blackish brown median fascia and apex (wing expanse 9 - 12 mm) (Fig. 1). The male genitalia are characterized by a blade-like valva with a large sharp process on the posterior 2/3 of the sacculus and a short process armed with a thick seta and some bristles on the end of the sacculus (Fig. 2). This moth is superficially similar to *Endothenia gentianaeana* (Hübner, 1799), but it can be distinguished from the latter in having a cream brown patch on the basal 1/3 of the forewing.

**Material examined.** Japan; Honshu: Gifu Pref., Yamagata-shi, Kanzaki-Iodo, 2♂, 30. vii. 2010, 1♂, 23. vii. 2013 (A. Miyano leg.); Motosu-shi, Neo, Shimoosu, 1♂, 22. vi. 2010, 2♂, 22. vii. 2011 (A. Miyano leg.). All the specimens are preserved in the collection of the Entomological Laboratory of Osaka Prefecture University, Sakai, Osaka Pref., Japan.

**Distribution.** Russia (Primorsky Krai), China (Shandong), Korean Peninsula, Japan (Gifu Pref.). New to Japan.

**Host-plant.** Unknown.

**Biological note.** Adults were collected in late June to late July. They came to light.

**Remarks.** The genus *Orientophiaris* Kuznetsov, 1999 is distributed in East Asia and contains two described species: the type species, *O. nigricrista*, and *O. altissima* (Kawabe, 1978). The latter species, *altissima*, was transferred from the genus *Eubrochoneura* Diakonoff, 1966 to *Orientophiaris* by Kuznetsov (1999). However, this species has characters which differ from the type species, *nigricrista*: the costa of the forewing is strongly curved apically, and there are a few long bristles on the base of the sacculus instead of a large sharp process. These characters may suggest that *altissima* is not congeneric with *nigricrista*. There is a need for further research in the future.

Gilligan *et al.* (2014) stated that the genus was established by Kuznetsov (in 2001) and that the type species was *O. altissima*. However, they are apparently incorrect, because the nomenclatural act of the genus had already been established by Kuznetsov (in 1999), based on the designated type species of *O. nigricrista*.

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Fig. 1. *Orientophiaris nigricrista*, male adult.

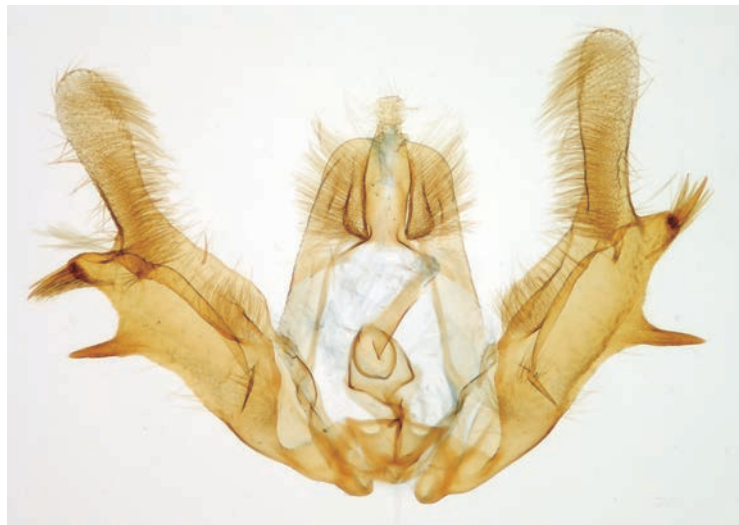


Fig. 2. *Orientophiaris nigricrista*, male genitalia.

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## 摘要

ミヤノクロオビヒメハマキ (新称) (鱗翅目, ハマキガ科, ヒメハマキガ亜科) の日本からの発見 (那須義次)

宮野昭彦氏によって採集された日本産のハマキガ科ヒメハ

マキガ亜科の未知種を検討したところ、日本新記録となる *Orientophiaris nigricrista* であることが判明した。現在、本属には本種と *O. altissima* (Kawabe, 1978) ヘリグロヒメハマキが含まれる。後者は前翅前縁の先端が強く曲がる、雄交尾器のサクルスは大きな鋭い突起の代わりに長い剛毛束を基部にもつという *Orientophiaris* 属のタイプ種 (*O. nigricrista* (Kuznetsov, 1976)) とは異なる特徴を有する。このため、ヘリグロヒメハマキは本属でない可能性があるが、今後さらなる研究が必要である。

*Orientophiaris nigricrista* (Kuznetsov, 1976) ミヤノクロオビヒメハマキ (新称)

前翅開張 9-12 mm. 前翅はクリーム色がかった褐色で、翅頂と中帯が黒褐色である。雄交尾器のバルバのサクルスは後方 2/3 に先端が尖った突起を、後方端に 1 本の太い剛

毛と細い剛毛束を有する短い突起を有する。分布：ロシア (沿海州)、中国 (山東省)、朝鮮半島、日本 (岐阜県)。寄主植物：不明。

本種は、*Endothenia gentianaeana* (Hübner, 1799) ツマジロクロヒメハマキに外部表徴で類似するが、前翅基部の色彩が黒褐色でなく、クリーム褐色であることで識別可能である。

なお、Gilligan *et al.* (2014) は、本属の創設は Kuznetsov (2001) で、タイプ種は *O. altissima* (Kawabe, 1978) と記しているが、これは明らかな間違いで、それぞれ Kuznetsov (1999), *O. nigricrista* (Kuznetsov, 1976) が正しい。

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